

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	13	("6273771" "6675912" "6459170" "6628107" "5623197" "5969529"). PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 19:45
S6	2	"US 20040130296"	US-PGPUB; USPAT; USOCR; DERWENT	AND	ON	2006/06/15 19:46
S7	1336	320/132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:52
S8	138	S7 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:52
S9	0	S8 and ((inrush and quiescent) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:53
S10	1	S8 and (inrush and (quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:55
S11	176	320/133	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:55
S12	0	S11 and (inrush and (quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:57

## EAST Search History

S13	525	320/127	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:56
S14	1	S13 and (inrush and (quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:57
S15	14749	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:57
S16	4	S15 and (inrush and (quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:33
S17	1	S16 and starter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:58
S18	944	S7 and (voltage with (detect\$3 or monit\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:28
S19	102	S18 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:29
S20	1	S19 and (inrush)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 20:59

## EAST Search History

S21	9	S19 and (resting or quiescent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:00
S22	48	("4937528"   "5321627"   "5381096"   "5404106"   "5635842"   "5672951"   "5680050"   "5705929"   "5721688"   "5744962"   "5751217"   "5761072"   "5828218"   "5900734"   "6091228"   "6097193").PN. OR ("6424157"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/06/15 21:01
S23	120	S11 and (voltage with (detect\$3 or monit\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:32
S24	9	S23 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:32
S25	336	S13 and (voltage with (detect\$3 or monit\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:30
S26	23	S25 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:30
S27	5165	S15 and (voltage with (detect\$3 or monit\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:36
S28	319	S27 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:37

## EAST Search History

S29	1	S28 and (inrush and (quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:33
S30	24	S28 and ((quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:37
S31	514	324/429	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:36
S32	393	S31 and (voltage with (detect\$3 or monit\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:36
S33	68	S32 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 19:19
S34	6	S33 and ((quiescent or resting or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/15 21:37
S36	540	324/429	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 19:19
S37	83	S36 and ((quiescent or rest\$3 or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 19:22

## EAST Search History

S38	74	S37 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:40
S41	39	S38 and (starter or ICE or "internal combustion engine" or vehicle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 19:25
S42	19	S41 and (predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 19:45
S43	3	("6118252"   "6268712"   "6472875").PN. OR ("7026787").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/21 20:19
S44	13	("5598088"   "5818333"   "6118252"   "6163133").PN. OR ("6268712").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/12/22 15:14
S46	540	324/429	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:39
S47	278	S46 and (starter or ICE or "internal combustion engine" or vehicle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/22 17:39
S48	116	S47 and ((Successive or multiple or measured or multi or table or array or series) with (gradation or grade or interval or sub\$1interval or range or step\$2 or period\$2 or value or stage or graduat\$3 or (graduated with table) or degree or scale or index or rank\$3) with (Battery or cell or accumulator or (storage adj (device or means or unit)) or (energy or charge or power or current) adj storage adj (device or means or cell or unit)) with (voltage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:49

## EAST Search History

S49	45	S48 and (Predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:16
S50	83	S46 and ((quiescent or rest\$3 or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:49
S51	74	S50 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:25
S52	39	S51 and (starter or ICE or "internal combustion engine" or vehicle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:49
S53	19	S52 and (predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 17:49
S54	31	S49 NOT S53	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 18:33
S55	184	S46 and (battery with (test\$3 or measur\$5 or sens\$3 or detect\$3 or indicat\$3 or monitor\$3) and (starter or cranking or start\$up))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 18:42
S56	367	S46 and (battery with (test\$3 or measur\$5 or sens\$3 or detect\$3 or indicat\$3 or monitor\$3) and (start\$3 or crank\$3 or start\$up))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:00

## EAST Search History

S57	183	S56 NOT S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:12
S60	549	((vehicle or car or auto or automobile or ICE or "internal combustion engine" or engine) and (battery with (start\$3 or crank\$3) with (ability or capability)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:15
S61	15248	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:16
S62	120	S60 AND S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:16
S63	116	S62 NOT S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:16
S64	57348	"307"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/22 19:22
S65	47	S60 AND S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/22 19:23
S66	37	S65 NOT S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/22 19:23

## EAST Search History

S67	146605	"324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:26
S68	86	S60 AND S67	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:26
S69	86	S68 NOT S66	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:42
S70	59206	"429"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:42
S71	52	S60 AND S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:42
S72	52	S71 NOT S69	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:45
S73	162378	"340"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:45
S74	26	S60 AND S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 19:45



## EAST Search History

S75	278	S60 NOT (S63 OR S66 OR S69 OR S72 OR S74)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:01
S85	3652	((vehicle or car or auto or automobile or ICE or "internal combustion engine" or engine) and battery and (voltage same (start\$3 or crank\$3) same (ability or capability or fail\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:16
S86	1107	S85 and (Predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:25
S87	896	S86 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:10
S88	449	S87 and ((battery or charge or capacity ) with (quality or grade or condition or rank))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:27
S90	434	S88 NOT S75	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/22 20:28
S91	412	S90 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:20
S92	1890	307/9.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:10

## EAST Search History

S93	758	S92 and ((voltage or battery) same (gradation or step or interval or period or stage or graduation or quality or grade or condition or rank))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:40
S94	506	S93 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:40
S95	540	324/429	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S96	278	S95 and (starter or ICE or "internal combustion engine" or vehicle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:40
S97	116	S96 and ((Successive or multiple or measured or multi or table or array or series) with (gradation or grade or interval or sub\$1interval or range or step\$2 or period\$2 or value or stage or graduat\$3 or (graduated with table) or degree or scale or index or rank\$3) with (Battery or cell or accumulator or (storage adj (device or means or unit)) or (energy or charge or power or current) adj storage adj (device or means or cell or unit)) with (voltage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S98	45	S97 and (Predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S99	83	S95 and ((quiescent or rest\$3 or no\$1load) with voltage)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21

## EAST Search History

S10 0	74	S99 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 1	39	S100 and (starter or ICE or "internal combustion engine" or vehicle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 2	19	S101 and (predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 3	31	S98 NOT S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 4	549	((vehicle or car or auto or automobile or ICE or "internal combustion engine" or engine) and (battery with (start\$3 or crank\$3) with (ability or capability)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 5	15248	"320"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 6	120	S104 AND S105	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S10 7	116	S106 NOT S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21

## EAST Search History

S10 8	57348	"307"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:21
S10 9	47	S104 AND S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:21
S11 0	37	S109 NOT S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:21
S11 1	146605	"324"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 2	86	S104 AND S111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 3	86	S112 NOT S110	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 4	59206	"429"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 5	52	S104 AND S114	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21

## EAST Search History

S11 6	52	S115 NOT S113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 7	162378	"340"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 8	26	S104 AND S117	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S11 9	278	S104 NOT (S107 OR S110 OR S113 OR S116 OR S118)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S12 0	3652	((vehicle or car or auto or automobile or ICE or "internal combustion engine" or engine) and battery and (voltage same (start\$3 or crank\$3) same (ability or capability or fail\$3)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S12 1	1107	S120 and (Predict\$3 or forecast\$3 or trend\$3 or extrapolat\$3 or foretel\$4 or project\$3 or future)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S12 2	896	S121 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:12
S12 3	449	S122 and ((battery or charge or capacity ) with (quality or grade or condition or rank))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21

## EAST Search History

S12 4	434	S123 NOT S119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:21
S12 5	500	S94 NOT S124	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:39
S12 6	4562	307/10.1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:39
S12 7	1823	S126 and ((voltage or battery) same (gradation or step or interval or period or stage or graduation or quality or grade or condition or rank))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 13:51
S12 8	1211	S127 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:12
S12 9	1078	S128 and (starter or ICE or "internal combustion engine" or vehicle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:41
S13 0	727	S129 NOT S125	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:51
S13 1	729	307/10.6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 13:51

## EAST Search History

S13 2	383	S131 and ((voltage or battery) same (gradation or step or interval or period or stage or graduation or quality or grade or condition or rank))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 14:22
S13 3	250	S132 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 14:23
S13 4	556	307/10.7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/24 14:22
S13 5	412	S134 and ((voltage or battery) same (gradation or step or interval or period or stage or graduation or quality or grade or condition or rank))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 14:22
S13 6	281	S135 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/24 14:23

## EAST Search History

S13 7	42	(US-20040251875-\$ or US-20040189255-\$ or US-20040130296-\$ or US-20040008031-\$ or US-20040021468-\$ or US-20060091848-\$ or US-20040189257-\$ or US-20050031919-\$ or US-20050031911-\$ or US-20020111756-\$).did. or (US-6268712-\$ or US-6677729-\$ or US-6791464-\$ or US-6949911-\$ or US-6967466-\$ or US-7061246-\$ or US-6163133-\$ or US-6696842-\$ or US-6476587-\$ or US-6424157-\$ or US-6472875-\$ or US-6118252-\$ or US-7026787-\$ or US-5818333-\$ or US-7012434-\$ or US-6850038-\$ or US-6794876-\$ or US-6661202-\$ or US-6369577-\$ or US-6157877-\$ or US-4322685-\$ or US-7119518-\$ or US-5973499-\$ or US-5773977-\$ or US-5589757-\$ or US-5583416-\$). did. or (US-6727708-\$ or US-6625553-\$ or US-6762513-\$ or US-5994787-\$).did. or (EP-1094326-\$).did. or (US-6268712-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2006/12/24 14:33
S13 8	570	324/425	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/12/25 17:11
S13 9	266	S138 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:30
S14 0	212	S139 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:30
S14 1	25	S140 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:30



## EAST Search History

S14 2	258	324/432	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:30
S14 3	185	S142 and (voltage same (gradation or step or interval or period or stage or graduation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:30
S14 4	167	S143 AND (History or historical or stor\$4 or (data adj storage) or memory or record\$4 or (storage adj means) or (storage adj device) or later adj time)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:30
S14 5	36	S144 and (starter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/25 17:44

## EAST Search History

S14 6	0	(method monitor\$3 condition battery connect\$4 electrical load measur\$3 voltage characteristic during measuring event subsequent connection event connection relationship battery load changed stor\$3 plurality voltage characteristics plurality subsequent magnitudes measured subsequent measuring events providing table pre-selected voltage values, threshold acceptability voltage plurality of gradation voltage values comparing measured voltage characteristic three pre-selected threshold acceptability voltage pre-selected plurality of gradation voltage stored plurality measured voltage characteristics subsequent magnitudes providing three combination indication whether condition battery acceptable according pre-selected threshold acceptability voltage indication grade battery condition pre-selected plurality of gradation voltage indication trend battery condition grade according measured voltage characteristics). clm.	US-PGPUB	AND	ON	2006/12/25 17:54
S14 7	0	(method monitor\$3 condition battery connect\$4 electrical load measur\$3 voltage characteristic during measuring event subsequent connection event connection relationship battery load changed stor\$3 plurality voltage characteristics plurality subsequent magnitudes measured subsequent measuring events providing table pre-selected voltage values, threshold acceptability voltage plurality of gradation voltage values comparing measured voltage characteristic three pre-selected threshold acceptability voltage pre-selected plurality of gradation voltage stored plurality measured voltage characteristics subsequent magnitudes).clm.	US-PGPUB	AND	ON	2006/12/25 17:54

## EAST Search History

S14 8	0	(method monitor\$3 condition battery connect\$4 electrical load measur\$3 voltage characteristic during measuring event subsequent connection relationship battery load changed stor\$3 plurality voltage characteristics plurality subsequent magnitudes measured subsequent measuring events providing table pre-selected voltage values, threshold acceptability voltage gradation voltage comparing measured voltage characteristic three pre-selected threshold acceptability voltage pre-selected stored plurality measured voltage characteristics subsequent magnitudes).clm.	US-PGPUB	AND	ON	2006/12/25 17:55
S14 9	0	(method monitor\$3 condition battery connect\$4 electrical load measur\$3 voltage characteristic during measuring event subsequent connection relationship battery load stor\$3 plurality voltage characteristics plurality subsequent magnitudes measured measuring events providing table pre-selected voltage threshold acceptability voltage gradation voltage voltage characteristic three pre-selected threshold acceptability voltage pre-selected stored plurality measured voltage subsequent magnitudes).clm.	US-PGPUB	AND	ON	2006/12/25 18:14